PRODUCT INFORMATION PACKET

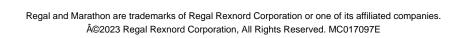


Model No: 324TTDR16091
Catalog No: M823B

Vertical Pump Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,

324HPV Frame, DP







Product Information Packet: Model No: 324TTDR16091, Catalog No:M823B Vertical Pump Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 324HPV Frame, DP



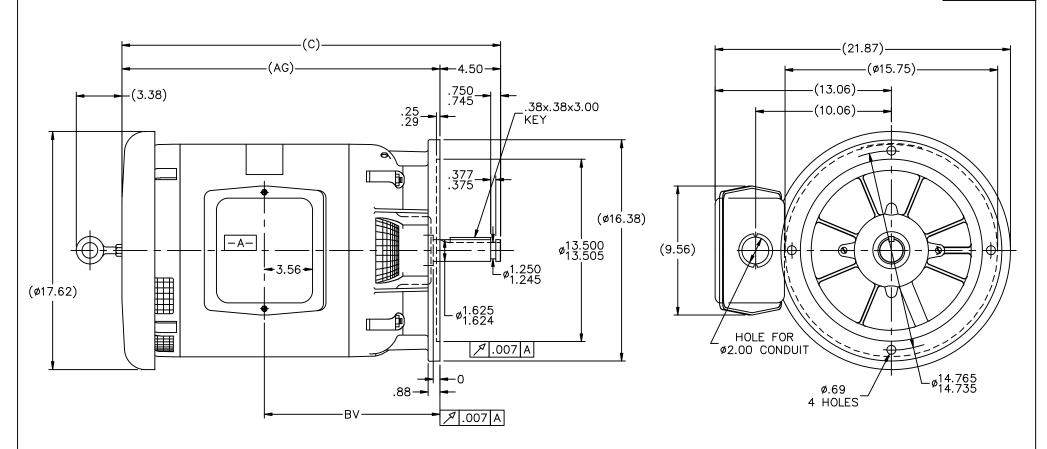
Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	1182 & 982 rpm	Service Factor	1.15 & 1.15
Frame	324HPV	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	65/32.5 & 64/32 A	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Υ
CE	Υ	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.255 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	HP	Overall Length	30.06 in
Frame Length	14.50 in	Shaft Diameter	1.625 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS28314-1450	Connection Drawing	A-EE7308

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- NOTES:
 1. C'BOX CAN BE ROTATED IN 90° STEP.
 2. NAMEPLATE TO BE READ FROM SHAFT END OF MOTOR
- 3. MAX. SHAFT RUNOUT .002

DASH	FRAME	С	AG	BV
1250	320	28.06	23.56	13.00
1400	320	29.56	25.06	13.75
1450	320	30.06	25.56	14.00
1500	320	30.56	26.06	14.12

1	6	REVISED NOTE # 2 (ECN 23047)	REP 01-16-2012	BW	TOL UNLES	ERANCES S SPECIFIED		DRAWN	MJD 01-27	7-1999
1	5	ECN 16735	NJS 6/21/2010	BW	DEC.	INCHES] ((O)) <u>[</u>	СНК	ML 02-01	1-1999
1	4	REVISED NAMEPLATE LOCATION 09-3901	MSG 9/22/2009	DR	.x	±.1		APPD	DD 02-01	1-1999
1	3	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.xx	±.03	TITLE OUTLINE - 320HP FR.	SCALE	7=32	2
1	2	REVISED TO NEC CONDUIT BOX CN 28428	BJW 02-04-2000		.xxx	±.005	DR. PR STEEL C' BOX - 'P' BASE	REF		
- [1	1	FRAME TYPES NOW 320 CN 27400-327	DRS 08-23-1999		.xxxx	±.0005	MAT'L.	FMF		
_	Ю.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH	PREV		
Г	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED.						CAD FILE ss28314 SIZE DRAWING			REV.
		THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT					B S	S283	14	16



CERTIFICATION DATA SHEET

Model#: 324TTDR16091 AN WINDING#: 324680 NONE 2 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS28314-1450

TYPICAL MOTOR PERFORMANCE DATA

НР	KW	,	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	URE	KV	A CODE	DESIGN
25&20	18.7&1	4.9		1200	1182&982	324HPV	DP			G	В
РН	Hz	VOI	LTS	FL AMPS	START TYPE	DUTY	INSL	S.	F	AMB°C	ELEVATION
3	60/50	230/46	0#190/	65/32.5&64/3	2 ACROSS THE	CONTINUOU	F3	1.15/	1.15	40	3300

		380	LINE	S				
	·							
FULL LOAD	D EFF:	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. E	FF	ELEC. TYPE	NO L	OAD AMPS
93892	4							

FULL LOAD PF: 78&78	3/4 LOAD PF: 73	1/2 L0	OAD PF: 62	92.4		SQ CAGE IND RU	JN	29 / 14.5
EL TOROUE	LOOKED DOTOE			DROUE	_	D. TODOUE		E I . DIOE: 0

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
112 LB-FT	364 / 182	165 LB-FT 147	270 LB-FT 241	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	8.5 LB-FT^2	425 LB-FT^2	20 SEC.	2	540 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEAF	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	HP	NONE	NONE	1045 HOT	ROLLED STEEL
6311	6311					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	THERMOSTATS PROTECTORS WDG RTDs		BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

BRAKE: NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

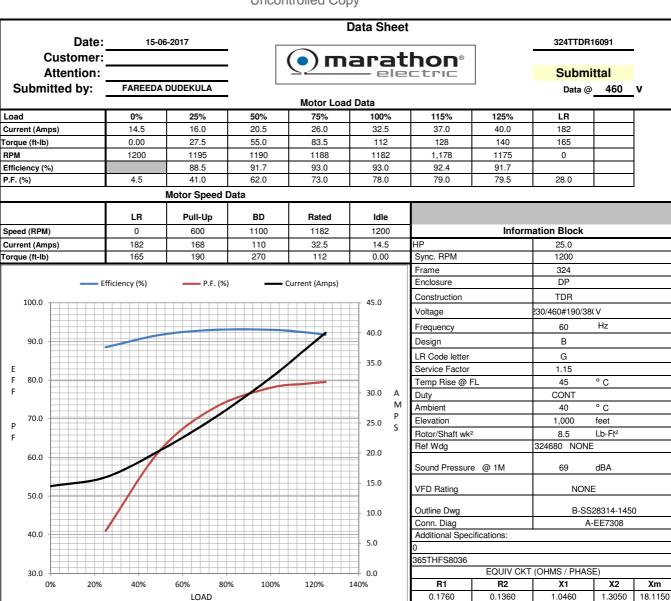
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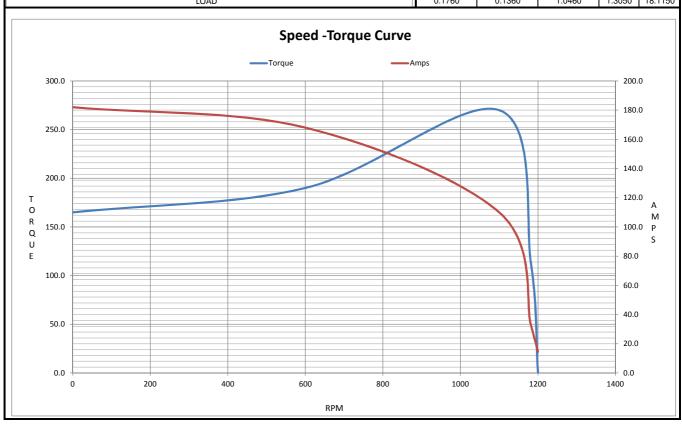
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^{**} Subject to change without notice.







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 324TTDR16091

(Model No. may contain prefix and/or suffix characters)

Catalog No: M823B

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer